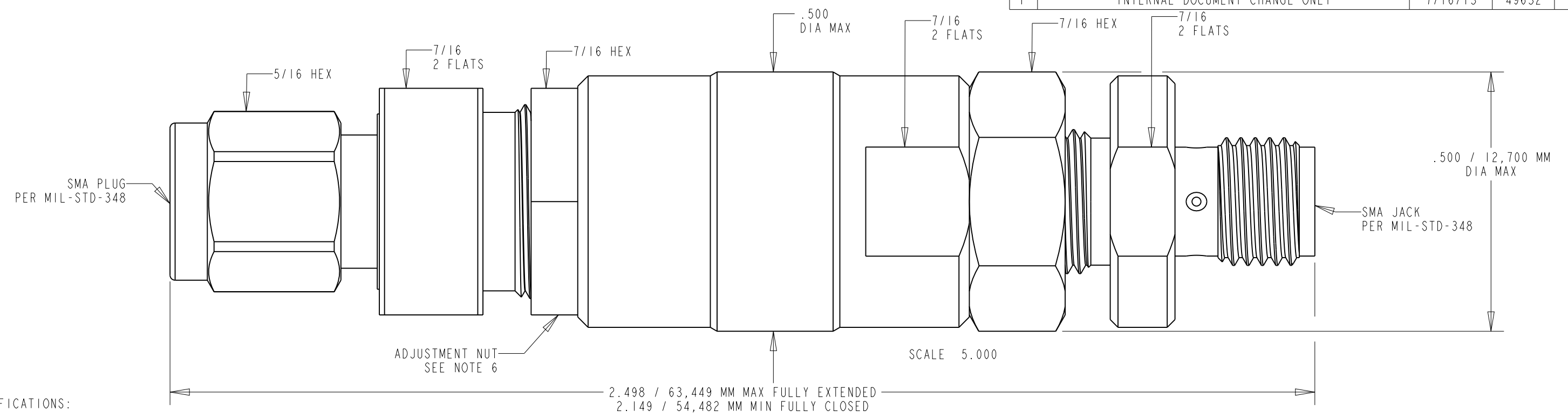


THIRD ANGLE PROJ.

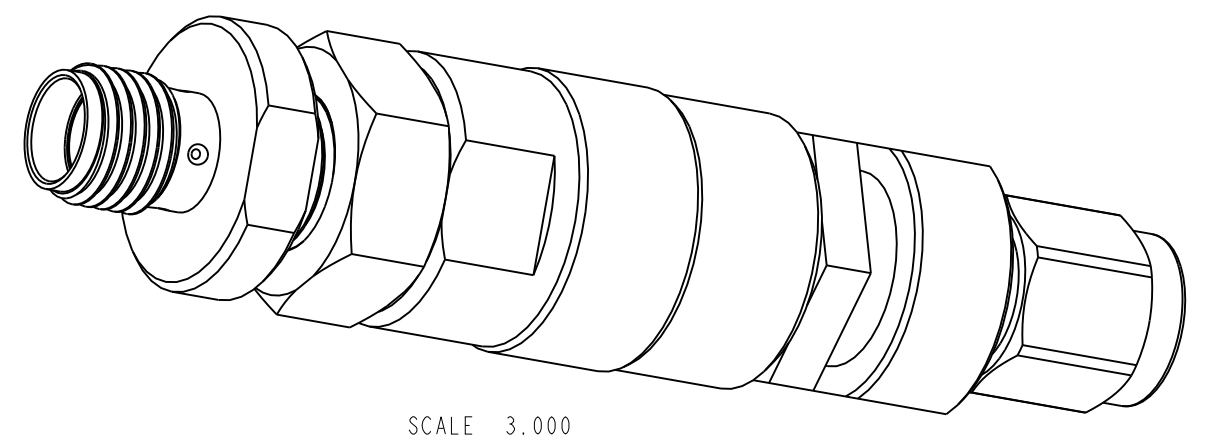
REVISIONS

REV	DESCRIPTION	DATE	ECO	APPR
E	ADDED SHEET 2	6/19/13	49587	CPM
F	INTERNAL DOCUMENT CHANGE ONLY	7/16/13	49632	RLB



SPECIFICATIONS:

- ELECTRICAL:**
1. IMPEDANCE, 50 ohms
 2. FREQUENCY RANGE, DC-18 GHz.
 3. INSERTION LOSS, dB MAX. = .1 SQRT(F(GHz))
 4. VSWR, 4 GHz = 1.10 VSWR MAX.
10 GHz = 1.15 VSWR MAX.
12 GHz = 1.22 VSWR MAX.
16 GHz = 1.26 VSWR MAX.
18 GHz = 1.30 VSWR MAX.
 5. PHASE ANGLE ADJUSTMENT RANGE IN DEGREES, 0° TO [10 X F(GHz)]° MAX
 6. PHASE ANGLE CHANGE PER REVOLUTION OF ADJUSTMENT NUT IN DEGREES, [0.636 X F(GHz)]°
 7. VOLTAGE RATING, 500 Vrms PEAK
- MECHANICAL:**
8. MATING, MATING FACE DIMENSIONS COMPATIBLE WITH THE MATING REQUIREMENTS OF MIL-C-39012/55 (TYPE SMA)
 9. CONNECTOR DURABILITY, (SMA INTERFACE) 500 CYCLES OF MATING AND UNMATING WITHOUT DETERIORATION
- MATERIAL:**
10. CENTER CONTACT, BERYLLIUM COPPER, GOLD PLATED
 11. CONNECTOR BODY, BRASS OR BERYLLIUM COPPER, GOLD PLATED
 12. ADJUSTING NUTS AND LOCKING NUTS, BRASS, NICKEL PLATED
 13. CONNECTOR COUPLING NUT, STAINLESS STEEL, PASSIVATED
 14. INSULATION, TFE
- ENVIRONMENTAL:**
15. SHOCK, MIL-STD. 202 METHOD 213 (TEST COND. I)
 16. VIBRATION, MIL-STD. 202 METHOD 204 (TEST COND. D)
 17. CORROSION, MIL-STD. 202 METHOD 101 (TEST COND. B)
 18. TEMPERATURE RANGE, -65 °C TO +125 °C



CUSTOMER OUTLINE DRAWING
ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE: <0.5mm ± 0.05mm 0.5 - 6mm ± 0.1mm 6 - 30mm ± 0.2mm 30 - 120mm ± 0.3mm ANGLES ± 1°	MATERIAL	DRAWN R. BIERASINSKI	DATE 05-Jun-13	TITLE PHASE ADJUSTABLE ADAPTOR - SMA MALE TO SMA FEMALE	Amphenol RF www.amphenolrf.com
	NOTICE - These drawings, specifications, or other data (1) are, and remain the property of Amphenol corp. (2) must be returned upon request; and (3) are confidential and not to be disclosed to any person other than those to whom they are given by Amphenol Corp. the furnishing of these drawings, specifications, or other data by Amphenol Corp., or to any other person to anyone for any purpose is not to be regarded by implication or otherwise in any manner licensing, granting rights to permitting such holder or any other person to manufacture, use or sell any product, process or design, patented or otherwise, that may in any way be related to or disclosed by said drawings, specifications, or other data.	REFERENCE RAYTHEON / ARMY 11459703	ENGINEER S. PUGNER		
	FINISH	APPROVED K. CAPOZZI	DATE 6/19/13	SCALE: 1.0:1.0 SHEET 2 OF 2	ITEM NO. 901-508-2
		CAD FILE		DWG SIZE B	REV F
					PART NO. 901-508-2